9400161

No.

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TO ALL TO WHOM THESE PRESENTS SHALL COME:

There has been presented to the

## Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF EIGHTEEN YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE NT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS

HE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA. FIELD

'Carrera'

In Testimony Thereof, I have hereunto set my hand and caused the seal of the Plant Bariety Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of January, in the year of our Lord two thousan

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Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Office, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0581-0055), Washington, 20250.

FORM APPROVED: OMB 0581-0055, Expires 1/31/91

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE Information is held confidential until (Instructions on reverse) certificate is issued (7 U.S.C. 2426). NAME OF APPLICANT(S) (as it is to appear on the Certificate) TEMPORARY DESIGNATION OR EXPERIMENTAL NO. VARIETY NAME CEBECO ZADEN B.V. CEBECO 1426 CARRERA 4. ADDRESS (street and no. or R.F.D. no., city, state, and ZIP) PHONE (Include area code) FOR OFFICIAL USE ONLY PVPO NUMBER P.O.Box 10000 5250 GA Vlijmen 400161 Holland GENUS AND SPECIES NAME FAMILY NAME (Botanical) NG Pisum sativum L. Leguminosae Filing and Examination Fee: 8. CROP KIND NAME (Common Name) 9. DATE OF DETERMINATION field pea 1986 10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) (orporation E 11. IF INCORPORATED, GIVE STATE OF INCORPORATION 12. DATE OF INCORPORATION Date Vlismen, The Netherlands December 31, 1992 13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS 7 I.S.I., Ir. Bert Scholte, P.O. Box 10000, 5250 GA Vlijmen - Holland 820, First Street, P.O.Box 168 Halsey, Oreogn 97348 - USA PHONE (Include area code): 503/369-2251 14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow INSTRUCTIONS on reverse) X Exhibit A, Origin and Breeding History of the Variety. Exhlbit B, Novelty Statement. X Exhibit C, Objective Description of Variety X Exhibit D, Additional Description of Variety Exhibit E, Statement of the Basis of Applicant's Ownership. Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office X Filing and Examination Fee (\$2,150) made payable to "Treasurer of the United States." DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See section 83(a) of the Plant Variety XX YES (If "YES," answer items 16 and 17 below) NO (If "NO," skip to item 18 below) DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? 17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? XX YES FOUNDATION XX REGISTERED XX CERTIFIED 18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? YES (If "YES," through Plant Variety Protection Act Patent Act. Give date: ON KX 19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? France Spring 1992 YES (If "YES," give names of countries and dates) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act. Applicant(s) is (are) inform herein can jeopardize protection and result in penalties. SIGNATURE OF APPLICANT IO CAPACITY OR TITLE DATE Head of the Registration Department Ir.B.Scholte Vlijmen, March 7,1994 SIGNATURE OF APPLICANT [Owner(s)] CAPACITY OR TITLE DATE

#### INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), <u>ALL</u> of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed Exhibits A,B,C,E; (3) at least 2,500 viable untreated seeds; (4) check, drawn on a U.S. bank, payable to "Treasurer of the United States" in the amount of \$2,150 (\$250 filing fee and \$1,900 examination fee). (See section 180.175 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for 30 days, then returned to the applicant as unfiled. Mail application and other requirements to: Plant Variety Protection Office, AMS, USDA, Rm. 500, NAL Building, 10301 Baltimore Blvd., Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the Application are self-explanatory unless noted below: Corrections on the Application form and Exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a Certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$250 for issuance of the Certificate.

## Plant Variety Protection Office Telephone: 301/344-2518

#### **ITEM**

- 9. Give the date when there has been at least a tentative determination that the variety has been sexually reproduced with recognized characteristics, whether or not the novelty of those characteristics has been determined. [See section 41(d) of the Plant Variety Protection Act (Act).]
- 14a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability. (See sections 41 and 52 of the Act.)
- 14b. Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons which clearly indicate novelty.
- 14c. Exhibit C forms are available from the PVPO; specify crop kind. Fill in the Exhibit C (Objective Description of Variety form) to describe your variety.
- 14d. Optional additional characteristics and/or photographs: Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 14e. Section 52(4) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. The applicant may be the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.
- 15. If "Yes" is specified (seed of this variety be sold by variety name only as a class of certified seed), the applicant may NOT reverse this affirmative decision after the variety has either been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified the applicant may change the choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 19. See sections 41 (i, j) and 42 of the Act and section 180.7 of the Regulations and Rules of Practice for eligibility requirements.

#### NOTES:

It is the responsibility of the applicant/owner to keep the PVPO informed of any change of address or change of ownership or assignment during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment is \$25. [See section 101 of the Act, and sections 180.130, 180.131, 180.132, and 180.175(h) of the Regulations and Rules of Practice.]

To avoid conflict with other variety names in use, the applicant should check the variety names proposed by contacting: Seed Branch, AMS, USDA, Rm. 213, Building 306, Beltsville Agricultural Research Center -- East, Beltsville, MD 20705. Telephone: 301/344-2089.



CEBECO & VAN ENGELEN IN PARTNERSHIP

#### EXHIBIT A

## Origin and Breeding History of CARRERA (Pisum sativum L.)

## 1. The genealogy

CARRERA is derived from the crossing of the varieties:
Belinda x ((Finale x (JI 114 x Canning pea)) x Finale)

In 1984 a single plant was selected in the  $F_3$ , followed by line selection and replicated yield trials.

The breeding process was carried out at our breeding station in Lelystad in the centre of the Netherlands. Our breeding station is situated on 150 ha reclaimed land on heavy clay soil and is equipped with all the necessary facilities, including lab facilities and greenhouses.

In the breeding of CARRERA our breeding goals were:

- yield
- resistance to disease
- resistance to lodging
- 2. No variants have been observed during reproduction and multiplication of CARRERA
- 3. Evidence of uniformity and stability

During testing no significant off-types have been observed, since 1991, i.e. in the last 6 generations. Over this period CARRERA has proved itelf to be a stable variety.



2

RW5 7-15-49

# Amendment

## 1. Exhibit A: Origin and Breeding History

JI 114 = John Inness 114. This selection is available in the genebank in Holland. Canning pea = selection out of Sela. Sela is a canning pea, bred and owned by Cebeco.

Carrera was observed to be uniform and stable for all characteristics as described in Exhibit C.



Amendment RWS 99 EXHIBIT & A 45799

## Novelty Statement of CARRERA

CARRERA has been tested in official DUS trials in the United Kingdom, France and Germany in the years 1990-1993. Based in these results the official authorities have concluded the following:

as per Letter aws 27-97

- 1. During the testing years significant off-types have been achieved, thus confirming the Uniformity of CARRERA.
- 2. Over the years CARRERA has shown to be a stable variety.
- 3. CARRERA has been found Distinct from all other known pea varieties.
- 4. Until now there have been no sales of seed of CARRERA in the U.S.A.

  First sales were in France in 1992.



## **EXHIBIT B**

## Statement of Distinction of CARRERA Pisum sativum L.

CARRERA is most similar to the variety Montana, however, CARRERA has a better standing ability than Montana, 4.7 against 5.4 on a 1-9 scale with 1 beging 100% of the plants standing up right and 9 being 100% of the plants lodged.

CARRERA is less susceptible to botrytis, 3 vs 3.5 on a 1-9 scale with 1 being 100% resistant and 9 100% susceptible.

CARRERA is less susceptible to mycosphaerella, 4.4 vs 5.3 on 1-9 scale with 1 being 100% resistant and 9 100% susceptible.

CARRERA has a lower Thousand Kernel Weight compared to Montana of 285 grams vs 294 grams.



Vlijmen, Sept.28, 1998





## **EXHIBIT B**

Statement of Distinction of Carrera, Pisum sativum L.

Carrera is most similar to the variety Montana, However the following differences have been observed between the two varieties. All differences were noted on our breeding station in Lelystad, in the centre of Holland. This station is located on reclaimed land. All trials are sown on heavy clay.

Carrera has a better standing ability than Montana. The differences were noted on a 1-9 scale with 1 being 100% of the plants standing up right and 9 being 100% of the plants lodged:

	Carrera	Montana
1994	5.5	6.3
1995	4.5	4.9
1996	3.4	4.9
1997	5.5	5.5
mean	4.7	5.4

Carrera is less susceptible to botrytis than Montana. Using a 1-9 scale with 1 being 100% resistent and 9 being 100% susceptible the following differences were noted:

	Carrera	Montana
1987	3.0	3.0
1988	2.0	3.0
1991	3.5	4.5
mean	2.8	3.5

Carrera is less susceptible to Mycosphaerella. Using a 1-9 scale with 1 being 100 % resistent and 9 100 % susceptible the followwing differences were noted:

	Carrera	Montana
1988	4.7	5.0
1991	4.0	5.5
mean	4.4	5.3

Carrera has a lower Thousend Grain Weight compared to Montana. The following differences were noted:

	Carrera	Montana
1994	262	275
1995	280	287
1996	324	332
1997	273	283
mean	285	294

Vlijmen 27/10/98



5 - RED Creamy-greenish

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
NATIONAL AGRICULTURAL LIBRARY
BELTSVILLE, MARYLAND 20705
OBJECTIVE DESCRIPTION OF VARIETY

EXHIBIT C (Pea)

PEA (PISUM SATIVUM) NAME OF APPLICANTIS VARIETY NAME OR TEMPORARY DESIGNATION CARRERA (CEBECO 1426) CEBECO ZADEN B.V. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) P.O.Box 10000, FOR OFFICIAL USE ONLY 5250 GA Vlijmen - Holland PVPO NUMBER 940016 Place the appropriate number that describes the varietal character in the boxes below. Place a zero in first box (e.s. 0 8 9 or 0 9 ) when number is either 99 or less or 9 or less. 1. TYPE: 2 3 = EDIBLE-PODDED 1 - GARDEN 2 = FIELD 2. MATURITY: No. of days to processing Heat Units Node number of first bloom: 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL No. of days liarlier than 1 = ALASKA WR 7 5 = ALDERMAN WR 6 = AUSTRIAN WINTER 7 = Solara 4 = WANDO No. of days Later than . . . 3. PLANT HEIGHT: CM. HIGH 0 8 8 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL 1 = ALASKA WR 8 Cm. Shorter than 7 6 = AUSTRIAN WINTER 7 = Solara 5 = ALDERMAN WR 4 = WANDO Cm. Taller than . . . . 4. VINE: 3 = HEAVY (Alderman) 1 = SLIM (Alaska) 1 = DETERMINATE 2 = INDETERMINATE Stockiness: 2 = MEDIUM (Thomas Laxton WR) Habit: 3 = MORE THAN 2 BRANCHES (Dwarf Gray Sugar) 2 - 1-2 BRANCHES (Little Marvel) Branching: 1 = NONE (Alaska) 2 NUMBER OF NODES 2 = ZIG ZAG Internodes: 1 = STRAIGHT 5. LEXEKERS: Stipules 1 = LIGHT GREEN (Alaska WR) 2 = MED. GREEN (Thomas Laxton WR) 3 = DARK GREEN (Alderman) 4 = OTHER (Specify) gray-green Color: Wax: 1 = NONE 2 = LIGHT 3 = MEDIUM 1 = NOT MARBLED 2 = MARBLED (Alaska) 4 = HEAVY 5 4 = THREE OR MORE 3 = TWO 1 = NOT PAIRED 2 = ONE 5 = no leaflets Number of leaflet pairs: 6. STIPULES: 2 = CLASPING 1 = NOT CLASPING 2 = PRESENT 1 = LACKING 1 = SMALLER 2 = SAME Size (Compared with leaflets): 2 = MARBLED 1 = NOT MARBLED 3 = LARGER Color (Compared with leaflets): 1 = LIGHTER 2 = SAME 3 = DARKER 7. FLOWER COLOR: 3 = LAVENDER 2 = GREENISH 1 = WHITE

STANDARD

WING

KEEL

4 = PURPLE

6 = OTHER (Specify)

6

VENATION

8. PODS:			9400161
1 = STRAIGH Shape: 3 = CURVED	HT 2 = SLIGHTLY CURVED	End: 1 = POINTED (Alderman	) 2 = BLUNT (Alaska)
2	REEN (Alaska WR) 2 = MEDIUM	2	
	(Specify)	GREEN 3- DANK GREEN (Aldering	
Surface: 1 = SMOC	OTH 2 = ROUGH	Surface: 1 = SHINY 2 =	
2 Borne: 1 = SING 5 = DOUE		T = OTHER (Specify)	IBLE, & TRIPEE
6 6 CM. LENGTH	1	3 MM. WIDTH (Between sutures)	0 8 NO. SEEDS PER POD
). SEEDS (95-100 Tenderomete	er):		C. The Control of the
1 Color: 1 = LI	IGHT GREEN 2 = GREEN 3 =	DARK GREEN 4 = OTHER (Specify)	
Color.	and different 2 different 5	7	AVERAGE
Seive: %			
SEEDS (Dry, Mature):			
Shape: 1 = FLAT	TENED 2 = ANGULAR 3 =	OVAL 4 - ROUNDED	
4 Shape.			
		Colores assume	1 - DIII I
Surface: 1 = SMOO 3 = WRINI	TH 2 = DIMPLED KLED	2 Surfece: 1 = SHINY 2	2 = DULL
Color Pattern: 1	1 = MONOCOLOR 2 = MOTTLED	3 = STRIPED 4 = DOTTED	
Primary Color:	1 = CREAMY-WHITE 2 = CREAM	M& GREEN 3 = LIGHT GREEN 4 =	MEDIUM GREEN
		M& GREEN 3 = LIGHT GREEN 4 =	
<b>\</b>			
}	5 = DARK GREEN 6 = BLUE-GR		
Secondary Color: 10	5 = DARK GREEN		9 = RED
Secondary Color: 10	5 = DARK GREEN 6 = BLUE-GR 0 - GRAY 11 = BLACK	REEN 7 = YELLOW 8 = BROWN	9 = RED
Secondary Color: 10	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK	REEN 7 = YELLOW 8 = BROWN	9 = RED
Secondary Color: 10  2 Hilum Floor Color: 2 9 GRAMS PER 100 S	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS	REEN 7 = YELLOW 8 = BROWN	9 = RED
Secondary Color: 10  2 Hilum Floor Color: 2 9 GRAMS PER 100 S	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS	REEN 7 = YELLOW 8 = BROWN	9 = RED
Secondary Color:    10     10	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant)	REEN 7 = YELLOW 8 = BROWN  2 Cotyledon Color: 1 = GREEN	9 = RED  N 2 = YELLOW 3 = ORAN
Secondary Color: 10  2 Hilum Floor Color: 2 9 GRAMS PER 100 S	5 = DARK GREEN 6 = BLUE - GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible	REEN 7 = YELLOW 8 = BROWN  2 Cotyledon Color: 1 = GREEN  NEAR-WILT	9 = RED  N 2 = YELLOW 3 = ORAN  DOWNY MILDEW
Secondary Color:  2 Hilum Floor Color:  2 9 GRAMS PER 100 S  10. DISEASE: (0 = Not Tested;	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible	REEN 7 = YELLOW 8 = BROWN  2 Cotyledon Color: 1 = GREEN	9 = RED  N 2 = YELLOW 3 = ORAN
Secondary Color:    Secondary Color:   10	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible	2 Cotyledon Color: 1 = GREEN  NEAR-WILT  POWDERY MILDEW	9 = RED  N 2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT
Secondary Color: 10  2 Hilum Floor Color: 2 9 GRAMS PER 100 S  10. DISEASE: (0 = Not Tested; 2 FUSARIUM WILT	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible	REEN 7 = YELLOW 8 = BROWN  2 Cotyledon Color: 1 = GREEN  NEAR-WILT	9 = RED  N 2 = YELLOW 3 = ORAN  DOWNY MILDEW
Secondary Color:    10     10     10     10     10     10       10     1	5 = DARK GREEN 6 = BLUE-GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible	2 Cotyledon Color: 1 = GREEN  NEAR-WILT  POWDERY MILDEW	9 = RED  N 2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT
Secondary Color:    10	5 = DARK GREEN 6 = BLUE - GR 0 - GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 - BLACK SEEDS 1 = Susceptible; 2 = Resistant) unsusceptible T Race C	2 Cotyledon Color: 1 = GREEN  NEAR-WILT  POWDERY MILDEW	9 = RED  N 2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT
Secondary Color:    10	5 = DARK GREEN 6 = BLUE - GR 0 - GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 - BLACK SEEDS 1 = Susceptible; 2 = Resistant) unsusceptible T Race C	O NEAR-WILT POWDERY MILDEW PEA ENATION MOSAIC	9 = RED  2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT YELLOW BEAN MOSAIC
Secondary Color:    10	5 = DARK GREEN 6 = BLUE - GR 0 - GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 - BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible IT Race C	O NEAR-WILT O PEA ENATION MOSAIC  OTHER (Specify)	9 = RED  2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT YELLOW BEAN MOSAIC
Secondary Color:    Secondary Color:   10	5 = DARK GREEN 6 = BLUE - GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible T Race C	O NEAR-WILT O PEA ENATION MOSAIC  OTHER (Specify)  HAT SUBMITTED	9 = RED  2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT YELLOW BEAN MOSAIC
Secondary Color:    2	5 = DARK GREEN 6 = BLUE - GF 0 - GRAY 11 = BLACK  1 = WHITE 2 = TAN 3 - BLACK  SEEDS  1 = Susceptible; 2 = Resistant)  unsusceptible T Race C  1 = Susceptible; 2 = Resistant)	O NEAR-WILT O PEA ENATION MOSAIC  OTHER (Specify) CHARACTER	9 = RED  N 2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT YELLOW BEAN MOSAIC
Secondary Color:    2	5 = DARK GREEN 6 = BLUE - GR 0 = GRAY 11 = BLACK 1 = WHITE 2 = TAN 3 = BLACK SEEDS ; 1 = Susceptible; 2 = Resistant) unsusceptible T Race C	O NEAR-WILT O PEA ENATION MOSAIC  OTHER (Specify)  CHARACTER Fresh Seed Color	9 = RED  2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT YELLOW BEAN MOSAIC  NAME OF VARIETY
Secondary Color:    2	5 = DARK GREEN 6 = BLUE - GF 0 - GRAY 11 = BLACK  1 = WHITE 2 = TAN 3 - BLACK  SEEDS  1 = Susceptible; 2 = Resistant)  unsusceptible T Race C  1 = Susceptible; 2 = Resistant)  ETY MOST CLOSELY RESEMBLES T  NAME OF VARIETY  solara	O NEAR-WILT O PEA ENATION MOSAIC  OTHER (Specify) CHARACTER	9 = RED  2 = YELLOW 3 = ORAN  DOWNY MILDEW BACTERIAL BLIGHT YELLOW BEAN MOSAIC  NAME OF VARIETY Solara

APR 0 5 1994

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#### EXHIBIT D

Reference of	Brdeder's
test authority: AFF	reference: Cebeco 1426
Application number: 84/226 ERW 662	Applicant: Gebeco Zaden BV PO Box 182 Blaak 31 3000 AD ROTTERDAM The Netherlands

#### UPOV VARIETY DESCRIPTION

	The state of the s
Botanical name of taxon: Pisum sativum (L).	Testing Plant Variety Rights Office authority: Cambridge CB3 OLF, UK.
Common name of taxon: PEA	Testing SASA, East Craigs, place: Edinburgh EH12 8NJ, UK.
Variety denomination: Carrera	Period of testing: 1991,1992
UPOV Test Doc. No: TG / 7 / 4 Guidelines: Date: 1981 / 10 / 26	Date of issue of this document: January 1993
National Test Doc. No: Guidelines: Date:	

- A. Group: (If characteristics of Chapter B are used for grouping, they are marked with a G in that Chapter).
- B. Characteristics included in the UPOV Test Guidelines or National Test Guidelines.

UPOV   Nat.	Characteristics	States of expression	Note	Remarks
* 01	Dry Seed : shape of starch grains	simple	1	G
* 02	Dry Seed : colour of cotyledons	yellow	2	G
03	Stem : fasciation	absent	1 1	

MAR-23-1994 01:21

## EXHIBIT D

JPOV	Nat.	Characteristics	States of expression	Note	Remarks
* 04		Foliage : colour	green	2	G
* 05		Foliage : intensity	medium/dark	6	
* 06		Stem : length (after flowering)	medium	5	(70.2cm)
* 07		Stem : number of nodes up to, and including, the 1st fertile node		15.1	
08		Leaflets	absent	1	G .
* 10		Leaflet : size		-	
* 17		Stipules : flecking	present	2	G
		Stipules :	normal	2	G
19		Stipule : antho- cyanin ring	absent	1	
20		Stipule : type of anthocyanin ring		-	
* 22		Flower : Number at   2nd fertile node	two	3	
* 24		Flower : standard colour	greenish/white	1/2	(G)
* 25		Flower : standard   petal (base shape)	straight(level)	5	
* 30		Flower: wing colour	greenish/white	1/2	
* 34		Pod : length	short	3	(76.3mm)
* 35		Pod :parchment	present	2.	G
		Pod : type of parchment	entire	3	G
* 36		Pod : breadth	very narrow/	2	(13.4mm)

WAR-23-1994 01:21

## EXHIBIT D

Carrera AFP 84/226

UPOV No.	Nat.	Characteristics	States of expression	Note	Remarks
<b>* 37</b>		Pod : colour	green	2	G
		Pod : blue-green colour	absent	1	G
38		Pod : green colour	pale	3	
* 39		Pod : curvature	very weak/slight	2	
* 40		Pod : direction of   curvature	to ventral	1	G
* 41		Pod : apex	blunt	2	G
* 43		Immature seed : number of ovules		8.0	
* 44		Immature seed :	pale green	3	G
* 45		Dry seed : weight of 100 seeds (g)		28.3g	
46		Dry seed : shape	round/elliptic	1/2	(1/3)
<b>* 47</b>		Dry seed : surface	smooth	1	
* 49		Dry seed : colour of testa	colorless	1	
* 50		Dry seed : testa pattern	not patterned	1	G
51		Dry seed : hilum	not black	9	G
* 53		Time of full flowering (50% of the plants)		+15.2	days after Orfac
57		Disease :   Resistance to Race   1 of Pea Wilt	present	9	

COMMENTS : Carrera resembles Consort but differs in that Carrera has fewer seeds and ovules per pod. Similar variety Medium/Large(6) Carrera Character 43 Grain: No ovules per pod Medium(5)

AGRICULTURAL MARKETING SERVICE  SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE  FXHIRIT F  Application is required in order to			de in accordance with the Privacy Act of perwork Reduction Act (PRA) of 1995 . o determine if a plant variety protection C. 2421). Information is held confidential		
1. NAME OF APPLICANT(S)  CEBECO ZADEN B.V.  P.O.Box 10000,  5250 GA VLIJMEN - HOLLAND	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER CEBECO 1426	3. VARIETY	RE RA		
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) I.S.I. POB 168 Halsey, Oregon 97348- USA	5. TELEPHONE (include area code) +31 73 51 88555 7. PVPO NUMBER 9400161	6. FAX finclu +31 7	de area code) 3 51 88 666		
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate	виск. II 110, рівазе вхріані.	X   YES	NO		
9. Is the applicant (individual or company) a U.S. national or U.S. based compand if no, give name of country The Netherlands	ny?	YES	XNO		
<ul> <li>10. Is the applicant the original breeder? If no, please answer the following:</li> <li>a. If original rights to variety were owned by individual(s):</li> <li>Is (are) the original breeder(s) a U.S. national(s)? If no, give name of</li> </ul>	country	XYES	NO		
<ul> <li>b. If original rights to variety were owned by a company:</li> <li>ls the original breeder(s) U.S. based company? If no, give name of c</li> </ul>	ountry <u>Efficience</u>	YES	NO NO		
11. Additional explantion on ownership (If needed, use reverse for extra space)					
PLEASE NOTE:					

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

- 1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter.

Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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STD-470-E (03-96)



CEBECO & VAN ENGELEN IN PARTNERSHIP

#### EXHIBIT E

## Statement of the Basic of Applicant's Ownership

#### Authorization

The undersigned:

CEBECO ZADEN B.V. P.O. Box 10.000, Vijfhoevenlaan 4, 5250 GA Vlijmen Holland

declare that they are the owners\* of the new variety CARRERA, white field pea.

They also declare that they authorize:

International Seeds Inc., P.O.Box 168, 820, First Street, Halsey, Oregon 97348 U.S.A.

to submit for and on behalf of them an application for Plant Variety Protection Certificate in the U.S.A. for the variety CARRERA, white field pea

to prepare, sign and submit the documents necessary for that purpose

and

to make all attendances upon the Plant Variety Protection Board relating to the application for Plant Variety Protection Certificate for their variety CARRERA.

\* Cebeco Zaden B.V. is the employer of the breeder and therefore owns the variety.

